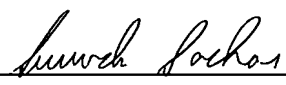


FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE <b>TRANSMITTAL LETTER TO THE UNITED STATES</b> <b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b> <b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 294910US2PCT U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/589246</b>
INTERNATIONAL APPLICATION NO. PCT/JP04/13824	INTERNATIONAL FILING DATE September 22, 2004	PRIORITY DATE CLAIMED February 19, 2004
TITLE OF INVENTION <b>MAGNETIC FIELD DETECTOR, CURRENT DETECTOR, POSITION DETECTOR AND ROTATION DETECTOR EMPLOYING IT</b>		
APPLICANT(S) FOR DO/EO/US <b>Takashi TAKENAGA, et al.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). a. <input type="checkbox"/> If the declaration is in a language other than the English language, it is accompanied by an English translation. The translation is accurate (37 CFR 1.69) 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). <b>Items 13 to 23 below concern document(s) or information included:</b> 13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. a. <input checked="" type="checkbox"/> PTO-1449    b. <input checked="" type="checkbox"/> Cited References 4    c. <input type="checkbox"/> Statement of Relevancy    d. <input type="checkbox"/> List of Related Cases. 14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input type="checkbox"/> A <b>FIRST</b> preliminary amendment. 16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment. 17. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 18. <input type="checkbox"/> A substitute specification. 19. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 20. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 21. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 22. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 23. <input checked="" type="checkbox"/> Other items or information: Notice of Priority/Drawings (13 Sheets)/PCT/IB/304		

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/589246</b>		INTERNATIONAL APPLICATION NO. PCT/JP04/13824		ATTORNEY'S DOCKET NUMBER 294910US2PCT	
The following fees are submitted:				<b>CALCULATIONS      PTO USE ONLY</b>	
24. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$300.00	
25. <input checked="" type="checkbox"/> Examination fee If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) .... \$0 All other situations..... \$200				\$200.00	
26. <input checked="" type="checkbox"/> Search fee If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB ..... \$400 All other situations..... \$500				\$400.00	
<b>TOTAL OF 24, 25 AND 26 =</b>				<b>\$900.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE		
- 100 =	/ 50 =		x \$250.00	\$	
<input type="checkbox"/> Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	18 - 20 =	0	x \$50.00	\$0.00	
Independent claims	1 - 3 =	0	x \$200.00	\$0.00	
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00				\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$900.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
<b>SUBTOTAL =</b>				<b>\$900.00</b>	
<input type="checkbox"/> Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). +				\$	
<b>TOTAL NATIONAL FEE =</b>				<b>\$900.00</b>	
<input type="checkbox"/> Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	
<input type="checkbox"/> Petition fee of \$1,500.00 for Petition to Revive (37 CFR 1.137 (b)). +				\$	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$900.00</b>	
				<b>Amount to be refunded:</b>	\$
				<b>Amount to be charged:</b>	\$
a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. <u>15-0030</u> in the amount of \$_____ to cover the above fees. c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>15-0030</u> . A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO:					
CUSTOMER NUMBER <b>22850</b> Tel. (703) 413-3000 Fax. (703) 413-2220 (OSMMN 1/06)			<div style="text-align: right;">   SIGNATURE  <b>Marvin J. Spivak</b>  NAME  <b>24,913</b>  REGISTRATION NUMBER </div> <div style="text-align: right;"> <b>Surinder Sachar</b>  Registration No. 34,423 </div>		